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[54] LAPTOP COMPUTER WITH AN
INTEGRATED MULTI-MODE ANTENNA

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[58] Field of Search 343/702, 900,
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[57]

ABSTRACT

An antenna is integrated into the laptop to increase the efficiency, convenience and ruggedness of radio frequency transmission. The antenna extends from the laptop's cover when in use for maximum efficiency but retracts when not in use for ruggedness and convenience. The antenna is a multi-modal antenna to permit efficient transmission and reception in more than one range of frequencies. The multi-modal antenna is made up of multiple segments for transmitting and receiving at different frequencies that are matched to a single terminating circuit.

12 Claims, 6 Drawing Sheets

